

IT IS VERY IMPORTANT THAT YOU READ THIS SHEET THOROUGHLY TO ENSURE THE BEST PERFORMANCE FROM YOUR ECOWARMTH RADIATORS.

1. Ecowarmth radiators use a very efficient heating element embedded in a Chamotte fire clay storage tile. This is linked to a very sensitive integrated thermostat, with a temperature feeler at floor level. The “**Intelligent Thermostat**” is the Brain of the heater with a unique “**Power Management System**” to give the most effective heating control.
2. It is important to leave the radiator switched on and to regulate it via the thermostat control knob on the side of the radiator. (Compare with a well lagged immersion heater – it is cheaper to leave it switched on than to continually switch it on and off and having to heat up the water from scratch each time). **Setting 4 = approx 20°C and 3 = approx. 15°C. in normal weather conditions**
(Note: If the room already has a temperature of say 10°C then the radiator will not switch on at a lower control knob setting of 2 or below as the thermostat feeler measures the temperature in the room. It does not adjust the power being used)
3. When first switching on the radiator the thermostat will operate in the initial warm up phase until the required temperature level is reached. This will vary with the size of the radiator and the conditions of the room e.g. insulation, draughts, window area etc. The control knob setting for this should be 4 - 4.5. After around 2-3 hours (this will be less for a room where there is some retained heat), the radiator will switch over to the second phase and will change from continual use of electricity to “top-up” mode but **continue to give out heat at no cost to you** from the stored heat in the chamotte fire clay units. Should the room require a longer warm up phase (dependent on room size, type of construction, insulation, size of radiator etc as already indicated), then just turn the control knob up a little until the red light comes on. The warm-up phase will continue until the required temperature has been reached and the radiator switches over to “top-up” mode. **PLEASE do not leave windows open for longer periods with the radiators on, as this only warms the neighbourhood and increases your electricity usage.** To air the room, open windows wide for a short period, create a through draught to replenish stale air and then close the window. **If it is too warm in the room, then turn the thermostat control down!** Find the level which suits YOU the best.
4. After that the radiator will switch on and off automatically to give “top up heat”. On average, over the heating ‘season’, say October to March, Ecowarmth radiators only require approx. 10 - 12 minutes of electricity for 1 hour of total heat. This generally means approx. 2-3 minutes every 10 minutes or so. It depends on the building, the windows and the insulation, as well as how often draughts are let in through doors being continually opened and shut. In our normally mild winters it might need only say 10 minutes of electricity for 1 hour of total heat but in unusually cold weather (such as the coldest start to a winter in **2008/2009** we have experienced in 30 years) it might need say 15 - 20 minutes of electricity for 1 hour of total heat. If in winter it is cold outside, but the sun shines into the rooms and if there is sufficient heat being provided by the sun, then the Ecowarmth radiator will automatically switch off and come automatically back on when heat is once again required.
5. Ecowarmth radiators not only give out cosy radiant heat into the room, but also into the walls and this helps build up heat so that the building fabric works as a thermal mass, which also gives out heat back into the room. This also reduces the risk of condensation, damp walls and mould growth.
6. The ribbed front and rear surfaces are designed to allow the air in the hollow ribs to be heated and therefore rise naturally. This chimney effect ensures that cold air at floor level is automatically sucked into the ribs for warming up. This ensures warm floors and warm feet.
7. Many other heating systems (especially those using convected air) ensure cold floors and feet and warm ceilings and heads, often with 5°C - 6°C of heat difference between floor and ceiling. With the Ecowarmth radiators, this is reduced to an approx. 1°C difference.
8. **Do not cover up the tops of the radiators with clothes or any other item. The radiator will automatically switch off after a while. By covering the radiator tops you will also negate the 10 year Guarantee. Please also do not block the radiator from radiating its heat into the room.**
9. When leaving the room for a longer period, say at night or going to work, then turn the thermostat control down slightly to ensure that the temperature drops a little but not right down. This ensures a warm room in the when you return and uses **LESS** energy than switching off or leaving at too low a temperature - as it then requires much more energy to warm the room up again. (see item 2 above). If the room is too warm on your return, then turn the thermostat control knob back to a lower setting when you leave.
10. Everyone’s perception of warmth is individual and different. The Ecowarmth heating system allows **YOU** to have the most comfortable and controllable level of heat that **YOU** desire.

Should you have any individual queries regarding the Ecowarmth heating system, please contact us at: enquiries@ecowarmth-sw.com, or on 01752-480155. Also please send us general feedback on how the radiators are performing.

(1st April, 2009)